

Notice of Allowability

Application No.

10/718,956

Examiner

VIJAY SHANKAR

Applicant(s)

DUARTE ET AL.

Art Unit

2629

- The MAILING DATE of this communication appears on the cover sheet with the correspondence address-

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Examiner's Amendment on August 31, 2006.
2. ☒ The allowed claim(s) is/are 1-33.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

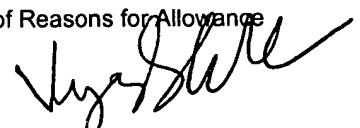
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


VIJAY SHANKAR
Primary Examiner
Art Unit: 2629

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Thomas C. Webster on August 31, 2006.

2. The application has been amended as follows:

Claim 1. (Currently Amended) A data processing apparatus comprising: a body having a memory for storing program code and data, and a processor for processing the program code and data, and a first group of control elements and a second group of control elements for entering data and performing control operations; a numeric keypad moveably coupled to the body, the numeric keypad moveable from a first keypad position to a second keypad position in relation to the body, wherein both the first and second groups of control elements are exposed when the numeric keypad is in the second position, and wherein only the second group of control elements are exposed when the numeric keypad is in the first position; and a display moveably coupled to the numeric keypad, the display moveable from a first display position to a second display position in relation to the numeric keypad, wherein the numeric keypad is not exposed when the display is in the first position and wherein the numeric keypad is exposed when the display is in the second position. position; and the data processing

apparatus further comprising: a switch configured to trigger when the numeric keypad is moved between the first position and the second position; and image inversion logic to invert images on the display responsive to the switch triggering.

Claim 17. (Currently Amended) A data processing apparatus comprising: a body having a memory for storing program code and data, and a processor for processing the program code and data, and a plurality of control elements for entering data and performing control operations; a numeric keypad moveable from a first keypad position to a second keypad position in relation to the body, wherein certain of the plurality of control elements are exposed when the numeric keypad is in the second position and covered when the numeric keypad is in the first position; and a display moveable from a first display position to a second display position in relation to the numeric keypad, wherein the numeric keypad is not exposed when the display is in the first position and wherein the numeric keypad is exposed when the display is in the second position. **position; and the data processing apparatus further comprising: a switch configured to trigger when the numeric keypad is moved between the first position and the second position; and image inversion logic to invert images on the display responsive to the switch triggering.**

Claim 33. (Currently Amended) An apparatus comprising: data processing device means having a memory for storing program code and data, and a processor for processing the program code and data, and a plurality of control elements for entering data and performing control operations; numeric data entry means moveable from a first keypad position to a second keypad position in relation to the data processing device means, wherein certain of the plurality of control elements are exposed when the numeric data entry means is in the second position and covered when the numeric data entry means is in the first position; and display means moveable from a first display position to a second display position in relation to the numeric data entry means, wherein the numeric data entry means is not exposed when the display is in the first position and wherein the numeric data entry means is exposed when the display is in the second position. position; and the apparatus further comprising: a switch configured to trigger when the numeric keypad is moved between the first position and the second position; and image inversion logic to invert images on the display responsive to the switch triggering.

Allowable Subject Matter

3. Claims 1-33 are allowed.

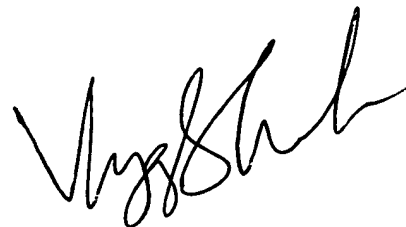
4. The following is an examiner's statement of reasons for allowance: The prior arts Finke-Anlauff, Griffin et al, Shkolnikov, fail to teach a data processing apparatus comprising: a numeric keypad moveably coupled to the body, the numeric keypad moveable from a first keypad position to a second keypad position in relation to the body, wherein both the first and second groups of control elements are exposed when the numeric keypad is in the second position, and wherein only the second group of control elements are exposed when the numeric keypad is in the first position; a display moveably coupled to the numeric keypad, the display moveable from a first display position to a second display position in relation to the numeric keypad, wherein the numeric keypad is not exposed when the display is in the first position and wherein the numeric keypad is exposed when the display is in the second position; and the data processing apparatus further comprising: a switch configured to trigger when the numeric keypad is moved between the first position and the second position; and image inversion logic to invert images on the display responsive to the switch triggering as claimed in Claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VIJAY SHANKAR whose telephone number is (571) 272-7682. The examiner can normally be reached on M-F 7:00 am - 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BIPIN SHALWALA can be reached on (571) 272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'Vijay Shankar', is positioned above the printed name and title.

VIJAY SHANKAR
Primary Examiner
Art Unit 2629

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